

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A burner assembly for a gas burner of radiant heating type,
the burner assembly comprising:

a burner chamber ~~for receiving~~ that receives a mixed gas;

a burner mat on a top of the burner chamber having a combusting area[[,]] and at least one non-combusting area; and

a combustion cutoff part ~~for forming~~ that forms the at least one non-combusting area of the burner mat, wherein the combustion cutoff part includes a cutoff plate in close contact with the burner mat and a supporting part that supports the cutoff plate to be in close contact with the burner mat, and wherein a plurality of openings is provided in a side surface of the supporting part such that the mixed gas moves through the plurality of openings in the burner chamber.

2. (Currently Amended) The burner assembly as claimed in claim 1, wherein the combustion cutoff part further includes a structure ~~for forming~~ that forms the at least one non-combusting area between a center and an outer part of the burner mat.

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3. (Currently Amended) The burner assembly as claimed in claim 2, wherein the ~~combustion cutoff part includes a~~ cutoff plate is in close contact with an upper surface or a lower surface of the burner mat ~~for preventing and prevents~~ the mixed gas from reaching to a surface of the burner mat[[,]] and burning.

4. (Original) The burner assembly as claimed in claim 3, wherein the cutoff plate has a ring form when seen in a plan view.

5. (Canceled).

6. (Currently Amended) The burner assembly as claimed in claim ~~5~~ 3, wherein, ~~in a case when~~ the cutoff plate is in close contact with ~~a~~ the lower surface of the burner mat, the supporting part has one end fixed to a bottom surface of an inside of the burner chamber[[,]] and the other end ~~supporting~~ supports a lower surface of the cutoff plate.

7. (Currently Amended) The burner assembly as claimed in claim ~~5~~ 3, wherein, ~~in a case when~~ the cutoff plate is in close contact with ~~an~~ the upper surface of the burner mat, the cutoff plate has one end fixed to a bottom surface of an inside of the burner chamber[[,]] and the other end ~~passed~~ passes through the burner mat[[,]] and is connected to the cutoff plate.

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8. (Currently Amended) The burner assembly as claimed in claim 7, wherein the other end of the supporting part is connected to the cutoff plate with a plurality of screws.

9. (Currently Amended) The burner assembly as claimed in claim 8, further comprising a sealing member between the other end of the supporting part and the cutoff plate ~~for preventing the~~ that prevents leakage of the mixed gas from the burner chamber.

10. (Canceled).

11. (Currently Amended) The burner assembly as claimed in claim ~~5~~ 3, wherein the supporting part is of a mesh form.

12. (Currently Amended) The burner assembly as claimed in claim 1, wherein the burner mat includes an inner burner mat and an outer burner mat, each having the combusting area, and wherein a separate part between the respective burner mats has the combustion cutoff part ~~to form that forms~~ the at least one non-combusting area.

13. (Currently Amended) The burner assembly as claimed in claim 12, wherein the combustion cutoff part further includes[[:]]:

a the cutoff plate in close contact with a circumference of each of the separated inner and

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outer burner mats[[,]]; and

~~a~~the supporting part connected to the cutoff plate having a plurality of seating steps ~~for~~
~~seating that seats~~ the circumferences of the inner and outer burner mats thereon, respectively.

14. (Currently Amended) The burner assembly as claimed in claim 1, wherein the combustion cutoff part further includes a structure ~~for forming a~~ that forms the at least one non-combusting area at ~~the~~ a center part of the burner mat.

15. (Currently Amended) The burner assembly as claimed in claim 14, wherein the ~~combustion cutoff part includes;~~ a cutoff plate is in close contact with an upper surface or a lower surface of the burner mat ~~for preventing and prevents~~ the mixed gas from reaching to a surface of the burner mat, and ~~a wherein the~~ supporting part ~~for supporting~~ supports the cutoff plate such that the supporting ~~plate~~ part maintains a state in which the ~~burner mat cutoff plate~~ is in close contact with the burner mat.

16. (Currently Amended) The burner assembly as claimed in claim 15, wherein, ~~in a~~
~~case when~~ the cutoff plate is in close contact with ~~a~~ the lower surface of the burner mat, the supporting part has one end fixed to ~~an upper~~ a bottom surface of an inside of the burner chamber ~~for maintaining and maintains~~ a state in which the cutoff plate is in close contact with the burner mat, and the other end ~~supporting~~ supports a lower surface of the cutoff plate.

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17. (Currently Amended) A burner assembly for a gas burner of radiant heating type, the burner assembly comprising:

a burner chamber ~~for receiving~~ that receives a mixed gas;

a burner mat on a top of the burner chamber having a combusting area~~[[,]]~~ and at least one non-combusting area;

a cutoff plate in close contact with at least one of a lower surface ~~and or~~ an upper surface of the burner mat to form the at least one non-combusting area in the burner mat, ~~for preventing that prevents~~ the mixed gas from reaching to a surface of the burner mat and burning thereon; and

a supporting part ~~for maintaining~~ that maintains a state in which the cutoff plate is in close contact with the burner mat, wherein a plurality of openings is provided in a side surface of the supporting part such that the mixed gas moves through the plurality of openings in the burner chamber.

18. (Currently Amended) A burner assembly for a gas burner of radiant heating type, the burner assembly comprising:

a burner chamber ~~for receiving~~ that receives a mixed gas; and

a burner mat ~~part~~ on a top of the burner chamber, the burner mat including~~[[;]]~~:

an inner burner mat and an outer burner mat, each having a respective combusting area~~[[,]]~~; and

a separated part between the inner burner mat and the outer burner mat, having a non-combusting area, wherein the separated part between the inner burner mat and the outer burner mat includes:

a cutoff plate in close contact with a circumference of an upper surface of each of the respective burner mats; and

a supporting part connected to the cutoff plate having a plurality of seating steps that seats the circumference of each of the respective burner mats, wherein a plurality of openings is provided between the supporting part and a bottom surface of an inside of the burner chamber such that the mixed gas moves through the plurality of openings in the burner chamber.

19. (Canceled).

20. (Currently Amended) The burner assembly as claimed in claim-~~19~~ 18, wherein the separated part between the respective burner mats further includes a connecting member ~~for connecting that connects the respective burner mats, and surrounding surrounds~~ a part of the connected part of the respective burner mats.

21. (Currently Amended) A burner assembly for a gas burner of radiant heating type, the burner assembly comprising:

a burner chamber ~~for receiving that receives~~ a mixed gas;

a burner mat on a top of the burner chamber having a non-combusting area at a center thereof;

a cutoff plate in close contact with at least one of a lower surface ~~and or~~ an upper surface of the burner mat to form the non-combusting area in the burner mat ~~for preventing that prevents~~ the mixed gas from reaching to a surface of the burner mat; and

a supporting part ~~for maintaining that maintains~~ a state in which the cutoff plate is in close contact with the burner mat, wherein a plurality of openings is provided in a side surface of the supporting part such that the mixed gas moves through the plurality of openings in the burner chamber.

22. (Canceled).

23. (Currently Amended) The burner assembly as claimed in claim-~~22~~ 1, wherein the at least one non-combusting area of the burner mat is formed of a material that permits no surface combustion different from the combusting area.